

CLAIMS:

1. Integrated circuit (IC) comprising a network and a plurality of modules (M_1 , M_2 , M_3 up to and including M_n), which are arranged to communicate to each other via the network, wherein the network is arranged to establish transactions between a first module (M_1) and at least two second modules (M_2 , M_3 up to and including M_n), the network being
5 arranged to send a plurality of requests (REQ) from the first module to the second modules, and wherein the second modules are arranged to generate individual responses (RESP2, RESP3 up to and including RESPn) indicating a result of the execution of the requests (REQ), characterized in that the network is arranged to generate a single response (SRESP) to the first module (M_1), dependent on the individual responses (RESP2, RESP3 up to and
10 including RESPn) of the second modules (M_2 , M_3 up to and including M_n).
2. Integrated circuit (IC) according to claim 1, wherein the network comprises a network interface (NI) to generate the single response (SRESP) to the first module (M_1).
- 15 3. Integrated circuit (IC) according to claim 1, wherein the single response (SRESP) has a value which is dependent on a specific function of the individual responses (RESP2, RESP3 up to and including RESPn) of the second modules.
4. Integrated circuit (IC) according to claim 3, wherein the specific function is
20 defined such that the value of the single response (SRESP) indicates that at least one of the second modules (M_2 , M_3 up to and including M_n) has successfully executed the requests (REQ) issued by the first module (M_1).
5. Integrated circuit (IC) according to claim 3, wherein the specific function is
25 defined such that the value of the single response (SRESP) indicates that each of the second modules (M_2 , M_3 up to and including M_n) has successfully executed the requests (REQ) issued by the first module (M_1).

6. Integrated circuit (IC) according to claim 3, wherein the specific function is defined such that the value of the single response (SRESP) indicates a success if no error occurred and the value of the single response indicates a failure if at least one error occurred, wherein the value of the single response represents the most serious error.
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7. Integrated circuit (IC) according to claim 3, wherein the specific function is defined such that the value of the single response (SRESP) indicates which types of error have occurred during execution of the requests (REQ).
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8. Integrated circuit (IC) according to claim 1, wherein the individual responses (RESP2, RESP3 up to and including RESP_n) carry data parts transmitted by the second modules (M₂, M₃ up to and including M_n), the single response (SRESP) comprising the data parts and indicating which data parts originate from which second modules.
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9. Method for establishing transactions in an integrated circuit (IC) comprising a network and a plurality of modules (M₁, M₂, M₃ up to and including M_n), the transactions between the modules being established via the network, wherein the network sends a plurality of requests (REQ) from a first module (M₁) to at least two second modules (M₂, M₃ up to and including M_n), and wherein the second modules generate individual responses
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- (RESP2, RESP3 up to and including RESP_n) indicating a result of the execution of the requests (REQ), characterized in that the network generates a single response (SRESP) to the first module (M₁), dependent on the individual responses (RESP2, RESP3 up to and including RESP_n) of the second modules (M₂, M₃ up to and including M_n).